

Amendment to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application.

Listing of Claims:

1 (currently amended): The ~~An~~ electric ~~transformer~~ winding according to claim 27 comprising:

~~(a) at least one each plate having of electric insulating material with a hole bored in the middle. ; and~~

~~(b) an electric conductor placed on at least one side of the plate and spiral wound, the turns of which are electrically insulated from one another.~~

2 (canceled).

3 (canceled).

4 (canceled).

5 (canceled).

6 (canceled).

7 (currently amended): The electric winding according to claim ~~6~~ 27 wherein one plate presents a notch at the outer point of the spiral, while the adjacent plate presents a notch at the inner point of the spiral, so as to make the conductor pass from one plate to the adjacent plate on the coil winding operation.

8 (canceled).

9 (canceled).

10 (currently amended): The electric winding according to claim + 27 wherein the electric conductor is of circular cross-section.

11 (currently amended): The electric winding according to claim ~~2~~ 27 wherein the bottom of the groove has the shape of a semicircle.

12 (canceled).

13 (currently amended): The electric winding according to claim + 27 wherein the plate has the shape of a disk, the periphery of which is circular.

14 (currently amended): The electric winding according to claim + 27 wherein the plate has the shape of a disk, the periphery of which is oval.

15 (canceled).

16 (currently amended): The electric winding according to claim + 27 wherein the bore of the plate has a contour adapted to that of the support on which it is mounted.

17 (canceled).

18 (currently amended): The electric winding according to claim ~~17~~ 27 wherein the electric insulator of high thermal conductivity which fills the space is in solid form at the temperature of use.

19 (canceled).

20 (canceled).

21 (currently amended): The electric winding of claim ~~2~~ 27 wherein adjacent spiral-shaped grooves are separated by an insulator.

22 (currently amended): The electric winding of claim ~~4~~ 27 wherein the electric conductor is an insulated conductor.

23 (currently amended): The electric winding of claim ~~4~~ 27 wherein the electric conductor is provided with insulation between the turns.

24 canceled).

25 (canceled).

26 (currently amended) The electric winding of claim ~~6~~ 27 wherein an electric current formed in the conductors create a magnetic field in each plate, the magnetic fields being additive.

27 (currently amended): An electric transformer winding for voltage on the order of 100 Kv or more comprising:

(a) a plurality of juxtaposed plates, each plate having a spiral-wound electric conductor and made of a material having a high thermal conductivity;

(b) the spirals of the conductor being substantially the same;

(c) the conductors being wound from outside in on one plate and from inside out on an adjacent ~~the~~ juxtaposed plate;

(d) each of the plurality of plates having a spiral-shaped groove in which conductor is accommodated;

(e) each of the spiral-shaped grooves being substantially the same;

~~(f) means for assembling juxtaposed plates to one another; and~~

~~(g) an insulator in a space between juxtaposed plates.~~

a wall separating adjacent spiral grooves on each plate, the wall forming a space between adjacent plates for receiving in the space a product having a high thermal conductivity; and

means for assembling juxtaposed plates to one another.